FAX COVER SHEET

TO	
COMPANY	
FAX NUMBER	15712733921
FROM	Lee & Hayes
DATE	2009-05-04 21:05:31 GMT
RE	10/606,626 | MS1-3729US | Interview Request & Proposed Claim Amendments

COVER MESSAGE

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[cid:image001.jpg@01C9CCC1.5DCA4020]

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PAGE 1/12 * RCVD AT 5/4/2009 5:07:12 PM [Eastern Daylight Time] * SVR:USPTO-EFXRF-5/13 * DNIS:2733921 * CSID:15092672653 * DURATION (mm-ss):05-46


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Fax Cover Sheet

DATE: April 30, 2009
TO: Jeffrey R. Swearingen 571-273-3921 FAX
FROM: Jacob P. Rohwer
RE: 10/606,626 - Interview Request Form
NUMBER OF PAGES (including cover sheet): 10

Please confirm receipt of fax and acceptance of interview.

MS1-3729US

We will be contacting you to schedule a telephonic interview. If you would prefer to schedule the interview, then please contact Cherri or me directly. Our contact info is below.

Thank you in advance for meeting with me about this matter.

Respectfully Submitted,

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Attorney Docket: MS1 - 3729US

PTOL-413A (10-07)
Approved for use through 10/31/2007. OMB 0651-0031
U.S. Patent and Trademark Office: U.S. DEPARTMENT OF COMMERCE

Applicant Initiated Interview Request Form

Application No.: 10/606,626 First Named Applicant: Apurva F Dalia
Examiner: Jeffrey R. Swearingen Art Unit: 2445 Status of Application:

Tentative Participants:
(1) Jeffrey R. Swearingen (2) Jacob P. Rohwer
(3) (4)

Proposed Date of Interview: 5/5, 5/7, 5/8, 5/11, 5/12 **Proposed Time:** any **(AM/PM)**

Type of Interview Requested:
(1) ☑ **Telephonic** (2) ☐ **Personal** (3) ☐ **Video Conference**

Exhibit To Be Shown or Demonstrated: ☐ **YES** ☑ **NO**
If yes, provide brief description:

Issues To Be Discussed

Issues (Rej., Obj., etc)	Claims/ Fig. #s	Prior Art	Discussed	Agreed	Not Agreed
(1) Rej	all		[ ]	[ ]	[ ]
(2)			[ ]	[ ]	[ ]
(3)			[ ]	[ ]	[ ]
(4)			[ ]	[ ]	[ ]

☐ Continuation Sheet Attached

Brief Description of Arguments to be Presented:
Discuss distinctions between the cited references and the claims; and proposed claim amendments.

An interview was conducted on the above-identified application on .
NOTE: This form should be completed by applicant and submitted to the examiner in advance of the interview (see MPEP § 713.01).
This application will not be delayed from issue because of applicant's failure to submit a written record of this interview. Therefore, applicant is advised to file a statement of the substance of this interview (37 CFR 1.133(b)) as soon as possible.

Applicant/Applicant's Representative Signature — Examiner/SPE Signature

Jacob P. Rohwer
Typed/Printed Name of Applicant or Representative

61229
Registration Number, if applicable

Attorney Docket: MS1 - 3729US

Proposed Claim Amendments

1-13. (Canceled)

14. (Proposed Amended) A computer implemented method of managing access to a storage resource for one of a plurality of network-based applications in a multiple server storage system, the method comprising:

obtaining a resource identifier ~~associated with the storage resource~~ from a front end server;

utilizing [[said]] the resource identifier to lookup ~~locate~~, in a resource lookup store of a lookup partitioning service server, a partition of a storage server ~~where said storage resource is located~~ associated with the resource identifier; [[and]]

in an event said partition of said storage server is associated with the resource identifier, granting access to the storage resource by providing [[said]] a location of said partition of said storage server to said front end server; and

in an event said partition of said storage server is not associated with the resource identifier:

creating a new storage resource in a storage partition;

associating the resource identifier with said storage partition in said resource lookup store; and

providing a location of said storage partition to said front end server.

15. (Previously Presented) The method of Claim 14, wherein said location of said partition of said storage server is on one of a plurality of storage servers.

16. (Previously Presented) The method of Claim 14, including a plurality of storage partitions, said plurality including a primary storage partition and a redundant storage partition each containing said storage resource.

17. (Previously Presented) The method of Claim 16, wherein said primary storage partition and said redundant storage partition are each located on separate storage servers of said plurality of storage.

18. (Previously Presented) The method of Claim 17, wherein, if the primary storage partition is unavailable, the storage server location is the redundant storage partition.

19. (Proposed Amended) The method of Claim 14, further comprising determining which lookup partitioning service server of a plurality of lookup partitioning service servers will provide said looked-up storage server location in response to [[said]] <u>the</u> resource identifier.

20. (Proposed Amended) The method of Claim 19, wherein determining which lookup partitioning service server will provide said looked-up storage server location comprises processing [[said]] the resource identifier ~~though~~ through a hash function to provide a hashed resource identifier associated with a particular lookup partitioning service server.

21. (Previously Presented) The method of Claim 20, wherein each lookup partitioning service server is associated with a predetermined set of hashed resource identifiers.

22. (Previously Presented) The method of Claim 14, further comprising moving the storage resource from one storage partition to a new storage partition and updating said resource lookup store with said new storage partition.

23. (Canceled)

24. (Previously Presented) The method of Claim 14, further comprising calculating a load balancing factor for each storage partition of a plurality of storage partitions and using said load balancing factors to determine the storage partition in which said new storage resource should be created.

25. (Previously Presented) The method of Claim 24, wherein said load balancing factor is based on value selected from the values consisting of: a mapping number, a count of mapping accesses, and a manual weighting value.

26. (Previously Presented) The method of Claim 24 further comprising adjusting a manual weighting value to increase the usage of said one of said storage servers.

27. (Previously Presented) The method of Claim 24, further comprising adjusting a manual weighting value to decrease the usage of said one of said storage servers.

28. (Proposed Amended) A computer readable medium containing computer-executable instructions for performing the method of managing access to a storage resource for one of a plurality of network-based applications in a multiple server storage system, the computer-executable instructions comprising instructions for:

receiving a resource identifier associated with the storage resource from a front end server;

utilizing the resource identifier to lookup, in a resource lookup store of a lookup partitioning service server, a storage partition associated with the resource identifier;

in an event the storage partition is associated with the resource identifier:

locating [[a]] the storage partition of a storage server~~where said storage resource is located utilizing said resource identifier in a lookup store of a lookup partitioning service server~~; and

sending [[said]] the location of said storage partition of said storage server to said front end server to grant access to said storage resource; and

in an event the storage partition is not associated with the resource identifier:

failing to locate a mapping to the storage resource;

creating a new storage resource in a new storage partition;

mapping the resource identifier to said new storage partition in said resource lookup store; and

sending a location of said new storage partition to said front end server.

29. (Previously Presented) The method of Claim 28, further comprising determining which lookup partitioning service server of a plurality of lookup partitioning service servers will locate said storage partition in response to said resource identifier.

30. (Proposed Amended) The method of Claim 28, further comprising relocating the storage resource from one storage partition to ~~a new~~ a different

storage partition and updating the mapping of [[said]] the resource identifier at said lookup partitioning service server.

31. (Canceled)

32. (Previously Presented) The method of Claim 28, further comprising calculating a load balancing factor for each storage partition of a plurality of storage partitions and using said load balancing factors to determine the storage partition in which said new storage resource should be created.

33. (Previously Presented) The method of Claim 32, wherein said load balancing factor is based on value selected from the values consisting of: a mapping number, a count of mapping accesses, and a manual weighting value.

34-49. (Canceled)

50. (Proposed New) A lookup partitioning server comprising:

a processing unit;

at least one primary lookup partition; and

at least two redundant lookup partitions which mirror two respective different primary lookup partitions stored on other look-up partitioning servers;

a memory configured to store computer-executable instructions configured to manage access to a plurality of storage resources at a plurality of storage servers, the computer-executable instructions performing acts comprising:

receiving a resource identifier associated with a storage resource from a front end server;

utilizing the resource identifier to lookup, in a resource lookup store, a storage partition associated with the resource identifier;

in an event a particular storage partition is associated with the resource identifier:

locating the particular storage partition of a storage server; and

sending a location of the particular storage partition of the storage server to the front end server to grant access to the storage resource; and

in an event no particular storage partition is associated with the resource identifier:

failing to locate a mapping to the storage resource;

calculating a load balancing factor for each storage partition of a plurality of storage partitions;

using the load balancing factors to determine a new storage partition in which a new storage resource should be created and creating the new storage resource in the new storage partition;

mapping the resource identifier to the new storage partition in the resource lookup store; and

sending a location of the new storage partition to the front end server.